

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S12	1	"5978849".pn.	USPAT	OR	ON	2006/07/31 18:56
S13	202990	(determin\$ or ascertain\$ or discover\$ or check\$) near3 (status or log\$6 or connect\$4)	US-PGPU B; USPAT	OR	ON	2006/07/31 18:59
S14	408302	(telnet or ftp or http or protocol)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:04
S15	1764	(internet adj gateway)\	US-PGPU B; USPAT	OR	ON	2006/07/31 19:00
S16	1764	(internet adj gateway)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:03
S17	53996	(reestablish\$ or reconnect\$)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:00
S18	18	S13 same S16	US-PGPU B; USPAT	OR	ON	2006/07/31 19:00
S19	3	S18 same S14	US-PGPU B; USPAT	OR	ON	2006/07/31 19:03
S20	0	S19 and S17	US-PGPU B; USPAT	OR	ON	2006/07/31 19:01
S21	12640	(internet adj (proxy or server or gateway))	US-PGPU B; USPAT	OR	ON	2006/07/31 19:03
S22	27	S13 near8 S21	US-PGPU B; USPAT	OR	ON	2006/07/31 19:03

EAST Search History

S23	102318	(telnet or ftp or http)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:04
S24	41911	(block\$4 or closed) near2 (port or socket or protocol)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:04
S25	0	S22 same S24	US-PGPU B; USPAT	OR	ON	2006/07/31 19:04
S26	1	S22 and S24	US-PGPU B; USPAT	OR	ON	2006/07/31 19:04
S27	1	S26 and S23	US-PGPU B; USPAT	OR	ON	2006/07/31 19:05
S28	449	S13 same S24	US-PGPU B; USPAT	OR	ON	2006/07/31 19:08
S29	81	S28 and S17	US-PGPU B; USPAT	OR	ON	2006/07/31 19:06
S30	0	S28 and S16	US-PGPU B; USPAT	OR	ON	2006/07/31 19:06
S31	11	S28 and S21	US-PGPU B; USPAT	OR	ON	2006/07/31 19:12
S32	6	S31 and S29	US-PGPU B; USPAT	OR	ON	2006/07/31 19:06
S33	4	S32 and S23	US-PGPU B; USPAT	OR	ON	2006/07/31 19:06
S34	7	S13 same S24.ab.	US-PGPU B; USPAT	OR	ON	2006/07/31 19:08
S35	0	(checking adj5 connect\$4) near8 S24	US-PGPU B; USPAT	OR	ON	2006/07/31 19:13

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S36	0	(checking near4 connect\$4) near8 S24	US-PGPU B; USPAT	OR	ON	2006/07/31 19:13
S37	0	(checking near4 connect\$4) near12 S24	US-PGPU B; USPAT	OR	ON	2006/07/31 19:13
S38	2	(checking near4 connect\$4) same S24	US-PGPU B; USPAT	OR	ON	2006/07/31 19:34
S39	676821	(send\$4 or request\$)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:34
S40	41911	(block\$4 or closed) near2 (port or socket or protocol)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:43
S41	156	(send\$4) near3 (request or packet) near8 S40	US-PGPU B; USPAT	OR	ON	2006/07/31 19:43
S42	149	S41 and "13"	US-PGPU B; USPAT	OR	ON	2006/07/31 19:36
S43	202990	(determin\$ or ascertain\$ or discover\$ or check\$) near3 (status or log\$6 or connect\$4)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:36
S44	93	S41 and S43	US-PGPU B; USPAT	OR	ON	2006/07/31 19:36
S45	1	S41 same S43	US-PGPU B; USPAT	OR	ON	2006/07/31 19:37
S46	10449	S43.ab.	US-PGPU B; USPAT	OR	ON	2006/07/31 19:38
S47	688	S43.ti.	US-PGPU B; USPAT	OR	ON	2006/07/31 19:38

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S48	10824	S46 or S47	US-PGPU B; USPAT	OR	ON	2006/07/31 19:38
S49	0	S41.ab.	US-PGPU B; USPAT	OR	ON	2006/07/31 19:38
S50	2	S41 and S48	US-PGPU B; USPAT	OR	ON	2006/07/31 19:42
S51	15353	(trouble adj shoot\$4) or troubleshoot\$4	US-PGPU B; USPAT	OR	ON	2006/07/31 19:43
S52	0	S51 same S41	US-PGPU B; USPAT	OR	ON	2006/07/31 19:43
S53	42181	(block\$4 or closed or unavailable) near2 (port or socket or protocol)	US-PGPU B; USPAT	OR	ON	2006/07/31 19:43
S54	157	(send\$4) near3 (request or packet) near8 S53	US-PGPU B; USPAT	OR	ON	2006/07/31 19:43
S55	0	S51 same S54	US-PGPU B; USPAT	OR	ON	2006/07/31 19:43
S56	2	S51 and S54	US-PGPU B; USPAT	OR	ON	2006/08/01 05:41
S57	27124	(checking or determining or ascertaining) near3 (status or connectivity or connected or log\$4 adj (on or off) or tim\$4 adj out)	US-PGPU B; USPAT	OR	ON	2006/08/01 08:34
S58	34648	(blocked or closed or unavailable) near3 (port or socket or protocol)	US-PGPU B; USPAT	OR	ON	2006/08/01 06:06
S59	9	S57 same S58	US-PGPU B; USPAT	OR	ON	2006/08/01 05:55

EAST Search History

S60	0	S59.ab.	US-PGPU B; USPAT	OR	ON	2006/08/01 05:45
S61	18	(heartbeat adj query)	US-PGPU B; USPAT	OR	ON	2006/08/01 05:57
S62	55	(heartbeat) same S57	US-PGPU B; USPAT	OR	ON	2006/08/01 06:00
S63	309	S57 and S58	US-PGPU B; USPAT	OR	ON	2006/08/01 05:57
S64	0	S61.ab.	US-PGPU B; USPAT	OR	ON	2006/08/01 05:57
S65	0	S61.ti.	US-PGPU B; USPAT	OR	ON	2006/08/01 05:57
S66	879	heartbeat.ab.	US-PGPU B; USPAT	OR	ON	2006/08/01 05:57
S67	167	heartbeat.ti.	US-PGPU B; USPAT	OR	ON	2006/08/01 05:57
S68	917	S66 or S67	US-PGPU B; USPAT	OR	ON	2006/08/01 05:58
S69	0	S68 and S63	US-PGPU B; USPAT	OR	ON	2006/08/01 05:58
S70	309	S63 and S58	US-PGPU B; USPAT	OR	ON	2006/08/01 05:58
S71	2	S62 and S58	US-PGPU B; USPAT	OR	ON	2006/08/01 05:58

EAST Search History

S72	13	("5265239" "5291605" "5297262" "5553239" "5553287" "5898834" "6047289" "6166455" "6182286" "6243826" "6374286" "6738977" "6822961").PN. OR ("6934952").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/08/01 05:58
S73	3	S68 and S57.ab.	US-PGPU B; USPAT	OR	ON	2006/08/01 06:01
S74	0	S68 and S58.ab.	US-PGPU B; USPAT	OR	ON	2006/08/01 06:01
S75	1	S68 and S58	US-PGPU B; USPAT	OR	ON	2006/08/01 06:01
S76	12208	(checking or determining or ascertaining) near3 (status near2 (session or connection) or connectivity or connected or log\$4 adj (on or off) or tim\$4 adj out)	US-PGPU B; USPAT	OR	ON	2006/08/01 08:35
S77	10	S76 same (block\$4 or closed or unavailable) near2 (port or socket or protocol)	US-PGPU B; USPAT	OR	ON	2006/08/01 08:40
S78	531	(session near4 tim\$4 adj out)	US-PGPU B; USPAT	OR	ON	2006/08/01 08:40
S79	1241	(automatic\$5 near2 (reestablish\$ or reconnect\$))	US-PGPU B; USPAT	OR	ON	2006/08/01 08:41
S80	1	S78 same S79	US-PGPU B; USPAT	OR	ON	2006/08/01 08:42
S81	573	(connect\$ or establish\$) near8 "internet gateway"	US-PGPU B; USPAT	OR	ON	2006/08/01 08:42

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S82	10	S81 and S78	US-PGPU B; USPAT	OR	ON	2006/08/01 08:44
S86	48	("6075528" "6304967" "5790800" "5923756" "6198824" "6253327" "7036142" "6122365" "5732219" "5737414" "5745884" "5793966" "5852721" "5892903" "5968129" "6012088" "6073013" "6222829" "6226752" "6222829" "6226752" "6240445" "6249865" "6286049" "6304912" "6404746" "6466651" "6473793" "6625119" "6650619" "6735617" "20020078151" "20050086312" "20050226177" "20050255886" "20060005236" "20060053486" "6131112" "6208718" "5908469" "6085321" "6119160" "6134597" "6154751" "6292942" "6782425" "6792457" "6826700" "7010531" "20050044216").pn.	US-PGPU B; USPAT	OR	ON	2006/08/01 11:54

Key: IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, IEE CNF = IEE Conference, IEEE STD = IEEE Standard

1. A Protocol for Packet Network Intercommunication

Cerf, V.; Kahn, R.
Communications, IEEE Transactions on [legacy, pre - 1988]
Volume 22, Issue 5, May 1974 Page(s): 637 - 648

IEEE JNL

2. Achieving timely message delivery quality-of-service in fixed and variable connectivity distributed routing networks

Brayer, K.
Selected Areas in Communications, IEEE Journal on
Volume 22, Issue 7, Sept. 2004 Page(s): 1183 - 1196

IEEE JNL

3. Statistical analysis of TCP's retransmission timeout algorithm

Liangping Ma; Barner, K.E.; Arce, G.R.
Networking, IEEE/ACM Transactions on
Volume 14, Issue 2, April 2006 Page(s): 383 - 396

IEEE JNL

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

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File 350:Derwent WPIX 1963-2006/UD=200648

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Set	Items	Description
S1	33314	(STATUS OR STATE OR CONDITION)(7N)(CONNECTION? ? OR SESSION? ? OR LINK? ?)
S2	29892	(LIVE OR AVAILABLE OR UP OR ACTIVE OR VALID)(7N)(CONNECTION? ? OR SESSION? ? OR LINK? ?)
S3	55188	(CONNECT??? OR CONNECTIVITY OR SESSION? ? OR LINK? ?)(7N)(-LOST OR LOSE? ? OR LOSING OR DROP???? OR TIMEOUT OR TIM????)O-UT OR FAIL??? OR INACTIV? OR INVALID? OR DOWN OR UNAVAILABLE -OR DISRUPT? OR INTERRUPT?)
S4	38339	("NOT" OR NO OR T)(3W)(AVAILABLE OR UP OR ACTIVE OR VALID -OR LIVE)
S5	489	(CONNECT??? OR CONNECTIVITY OR SESSION? ? OR LINK? ?)(7W)S4
S6	391	(LOG? ? OR LOGGED OR SIGN OR SIGNS OR SIGNED)()OFF OR LOGOFF OR SIGNOFF
S7	320	(UNREACHABLE OR UNAVAILABLE OR ("NOT" OR T OR NO)(3W)(REACH??? OR AVAILABLE))(7N)(SERVER? ? OR WEBSERVER? ? OR GATEWAY?)
S8	740	(AUTOMATIC? OR TRANSPARENT? OR FLY)(10N)(RECONNECT? OR RE(-)(CONNECT??? OR ESTABLISH?) OR REESTABLISH?)
S9	280	(AUTOMATIC? OR TRANSPARENT? OR FLY)(10N)((SECOND??? OR NEW OR ANOTHER)(3W)(CONNECTION OR SESSION OR LINK))
S10	83333	PROTOCOL? ? OR PING??? OR ICMP OR FTP OR HTTP OR HTTPS OR -TELNET
S11	33	(S1:S3 OR S5:S7) AND S8:S9 AND S10
S12	19	S11 AND AC=US/PR AND AY=(1963:2001)/PR
S13	25	S11 AND AC=US AND AY=1963:2001
S14	25	S11 AND AC=US AND AY=(1963:2001)/PR
S15	14	S11 AND PY=1963:2001
S16	25	S12:S15
S17	25	IDPAT (sorted in duplicate/non-duplicate order)

File 8: Ei Compendex(R) 1970-2006/Jul w4
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File 266: FEDRIP 2005/Dec
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Set	Items	Description
S1	18586	(STATUS OR STATE OR CONDITION)(7N)(CONNECTION? ? OR SESSION? ? OR LINK? ?)
S2	29983	(LIVE OR ALIVE OR AVAILABLE OR UP OR ACTIVE OR VALID)(7N)(CONNECTION? ? OR SESSION? ? OR LINK? ?)
S3	25300	(CONNECT??? OR CONNECTIVITY OR SESSION? ? OR LINK? ?)(7N)(LOST OR LOSE? ? OR LOSING OR DROP???? OR TIMEOUT OR TIM???)OR UT OR FAIL??? OR INACTIV? OR INVALID? OR DOWN OR UNAVAILABLE - OR DISRUPT? OR INTERRUPT? OR DISCONNECTED OR BROKEN)
S4	366359	("NOT" OR NO OR T)(3W)(AVAILABLE OR UP OR ACTIVE OR VALID - OR LIVE OR ALIVE)
S5	426	(CONNECT??? OR CONNECTIVITY OR SESSION? ? OR LINK? ?)(7W)
S6	638	(LOG? ? OR LOGGED OR SIGN OR SIGNS OR SIGNED)()OFF OR LOGOFF OR SIGNOFF
S7	325	(UNREACHABLE OR UNAVAILABLE OR DISCONNECTED OR ("NOT" OR T OR NO)(3W)(REACH??? OR AVAILABLE))(7N)(SERVER? ? OR WEBSERVER? ? OR GATEWAY? ?)
S8	188	(AUTOMATIC? OR TRANSPARENT? OR FLY)(10N)(RECONNECT? OR RE(-)(CONNECT??? OR ESTABLISH?) OR REESTABLISH?)
S9	54	(AUTOMATIC? OR TRANSPARENT? OR FLY)(10N)((SECOND??? OR NEW OR ANOTHER)(3W)(CONNECTION OR SESSION OR LINK))
S10	578113	PROTOCOL? ? OR PING??? OR ICMP OR FTP OR HTTP OR HTTPS OR - TELNET
S11	43970	(ISSUE? ? OR ISSUING OR PROVIDE OR PROVIDES OR PROVIDED OR PROVIDING OR PROVISION? OR SUBMIT? OR SEND??? OR SENT OR TRANSMIT???? OR TRANSMISSION OR RELAY? OR FORWARD???) (7N)(REQUEST? ? OR COMMAND? ? OR INSTRUCTION? ?)
S12	1	(S1:S3 AND S5:S7) AND S10 AND S11

File 275:Gale Group Computer DB(TM) 1983-2006/Jul 31
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 File 621:Gale Group New Prod.Annou.(R) 1985-2006/Jul 31
 (c) 2006 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2006/Jul 31
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 File 16:Gale Group PROMT(R) 1990-2006/Jul 31
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 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 148:Gale Group Trade & Industry DB 1976-2006/Jul 31
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 (c) 2006 IDG Communications
 File 696:DIALOG Telecom. Newsletters 1995-2006/Jul 28
 (c) 2006 Dialog
 File 369:New Scientist 1994-2006/Jul w2
 (c) 2006 Reed Business Information Ltd.
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 610:Business Wire 1999-2006/Aug 01
 (c) 2006 Business Wire.
 File 613:PR Newswire 1999-2006/Aug 01
 (c) 2006 PR Newswire Association Inc

Set	Items	Description
S1	63380	(STATUS OR STATE OR CONDITION)(7N)(CONNECTION? ? OR SESSION? ? OR LINK? ?)
S2	423862	(LIVE OR ALIVE OR AVAILABLE OR UP OR ACTIVE OR VALID)(7N)(CONNECTION? ? OR SESSION? ? OR LINK? ?)
S3	121894	(CONNECT??? OR CONNECTIVITY OR SESSION? ? OR LINK? ?)(7N)(LOST OR LOSE? ? OR LOSING OR DROP???? OR TIMEOUT OR TIM????)OR UT OR FAIL??? OR INACTIV? OR INVALID? OR DOWN OR UNAVAILABLE - OR DISRUPT? OR INTERRUPT? OR DISCONNECTED OR BROKEN)
S4	1190945	("NOT" OR NO OR T)(3W)(AVAILABLE OR UP OR ACTIVE OR VALID - OR LIVE OR ALIVE)
S5	6755	(CONNECT??? OR CONNECTIVITY OR SESSION? ? OR LINK? ?)(7W)
S6	46770	(LOG? ? OR LOGGED OR SIGN OR SIGNS OR SIGNED)()OFF OR LOGOFF OR SIGNOFF
S7	7704	(UNREACHABLE OR UNAVAILABLE OR DISCONNECTED OR ("NOT" OR T OR NO)(3W)(REACH??? OR AVAILABLE))(7N)(SERVER? ? OR WEBSERVER? ? OR GATEWAY? ?)
S8	3152	(AUTOMATIC? OR TRANSPARENT? OR FLY)(10N)(RECONNECT? OR RE(-)(CONNECT??? OR ESTABLISH?) OR REESTABLISH?)
S9	906	(AUTOMATIC? OR TRANSPARENT? OR FLY)(10N)((SECOND??? OR NEW OR ANOTHER)(3W)(CONNECTION OR SESSION OR LINK))
S10	10000811	PROTOCOL? ? OR PING??? OR ICMP OR FTP OR HTTP OR HTTPS OR - TELNET
S11	367464	(ISSUE? ? OR ISSUING OR PROVIDE OR PROVIDES OR PROVIDED OR PROVIDING OR PROVISION? OR SUBMIT? OR SEND??? OR SENT OR TRANSMIT???? OR TRANSMISSION OR RELAY? OR FORWARD???) (7N)(REQUEST? ? OR COMMAND? ? OR INSTRUCTION? ?)
S12	17408	S10(20N)S11
S13	381	(S1:S3 OR S5:S7)(50N)S12
S14	243	RD (unique items)
S15	179	S14 NOT PY=2002:2006
S16	91	(S3 OR S5:S7)(50N)S12

S17 63 RD (unique items)
S18 51 S17 NOT PY=2002:2006
S19 8148 (ISSUE? ? OR ISSUING OR SEND??? OR SENT OR TRANSMIT???? OR
TRANSMISSION OR RELAY? OR FORWARD???) (7N) (REQUEST? ? OR COMMA-
ND? ? OR INSTRUCTION? ?) (7N) S10
S20 78 S19(10N) S1:S2
S21 47 RD (unique items)
S22 35 S21 NOT PY=2002:2006
S23 10 KEEP() ALIVE AND STILL() ALIVE
S24 10 RD (unique items)

File 348:EUROPEAN PATENTS 1978-2006/ 200630

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File 349:PCT FULLTEXT 1979-2006/UB=20060727,UT=20060720

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Set	Items	Description
S1	31839	(STATUS OR STATE OR CONDITION)(7N)(CONNECTION? ? OR SESSION? ? OR LINK? ?)
S2	61604	(LIVE OR ALIVE OR AVAILABLE OR UP OR ACTIVE OR VALID)(7N)(CONNECTION? ? OR SESSION? ? OR LINK? ?)
S3	78524	(CONNECT??? OR CONNECTIVITY OR SESSION? ? OR LINK? ?)(7N)(LOST OR LOSE? ? OR LOSING OR DROP???? OR TIMEOUT OR TIM????)OR UT OR FAIL??? OR INACTIV? OR INVALID? OR DOWN OR UNAVAILABLE - OR DISRUPT? OR INTERRUPT? OR DISCONNECTED OR BROKEN)
S4	183599	("NOT" OR NO OR T)(3W)(AVAILABLE OR UP OR ACTIVE OR VALID - OR LIVE OR ALIVE)
S5	3411	(CONNECT??? OR CONNECTIVITY OR SESSION? ? OR LINK? ?)(7W)S4
S6	3228	(LOG? ? OR LOGGED OR SIGN OR SIGNS OR SIGNED)()OFF OR LOGOFF OR SIGNOFF
S7	2976	(UNREACHABLE OR UNAVAILABLE OR DISCONNECTED OR ("NOT" OR T OR NO)(3W)(REACH??? OR AVAILABLE))(7N)(SERVER? ? OR WEBSERVER? ? OR GATEWAY? ?)
S8	986	(AUTOMATIC? OR TRANSPARENT? OR FLY)(10N)(RECONNECT? OR RE(-)(CONNECT??? OR ESTABLISH?) OR REESTABLISH?)
S9	559	(AUTOMATIC? OR TRANSPARENT? OR FLY)(10N)((SECOND??? OR NEW OR ANOTHER)(3W)(CONNECTION OR SESSION OR LINK))
S10	236634	PROTOCOL? ? OR PING??? OR ICMP OR FTP OR HTTP OR HTTPS OR - TELNET
S11	13770	(ISSUE? ? OR ISSUING OR PROVIDE OR PROVIDES OR PROVIDED OR PROVIDING OR PROVISION? OR SUBMIT? OR SEND??? OR SENT OR TRANSMIT???? OR TRANSMISSION OR RELAY? OR FORWARD????)(7N)(REQUEST? ? OR COMMAND? ? OR INSTRUCTION? ?)(7N)S10
S12	325	S11(10N)(S1:S3 OR S5:S7)
S13	249	S11(10N)S1:S2
S14	24	S13(50N)(S3 OR S5:S9)
S15	10	S14 AND AC=US/PR AND AY=(1963:2001)/PR
S16	10	S14 AND AC=US AND AY=1963:2001
S17	10	S14 AND AC=US AND AY=(1963:2001)/PR
S18	11	S14 AND PY=1963:2001
S19	12	S15:S18